

single
site

EaZy All-in-One Solutions

with iOS® / Android™ Mobile Devices

PUSH VIDEO within 5 sec.
like a 24/7 Private Security Guard!

Internet

PUSH MSG **Event Playback**



Multi-
site

Multi-site Solution with Push Video

The easiest way to enter HD era!

Internet

HD NVR

HD Remote Monitoring **Playback & Backup**



Large
Project

C.M.S. Solutions

with Your Control Terminal Server

Protect and manage all places on your remote devices.

Internet

Central Management System



Core Technologies

- 04 Core Technologies - Powerful Remote Surveillance
- 05 Core Technologies - EaZy Setup
- 06 Core Technologies - EaZy Installation
 - Powerful NVR(Easy Setup as Megapixel DVR)
- 07 Core Technologies - Professional IP Camera
- 08 Core Technologies - IP Camera Powerful Features
- 09 Core Technologies - Powerful C.M.S.
- 10 Core Technologies - EagleEyes Software
- 11 Core Technologies - Video Viewer

Push Video IP Camera Series

- 12 AVN815EZ
- AVN803EZ
- AVN701EZ
- AVN80X
- AVN813
- AVN808
- 14 AVN807A
- AVN806
- AVN805
- AVN801
- AVM837
- AVM829

HD NVR Series

- 16 AVH416A
- AVH312PV
- AVH306
- AVH304
- AVH0401

ETS IP Camera Series – 2MP Models

- 18 AVM571
- AVM565A
- AVM561
- AVM557A
- AVM552A
- AVM542A
- AVM526A
- AVM521A
- 20 AVM532
- AVM500
- AVM459A
- AVM457A
- AVM428B
- AVM417A
- AVM400B

ETS IP Camera Series – 1.3MP Models

- 22 AVM359A
- AVM357A
- AVM328B
- AVM302A
- AVM311

System Integration Solution

- 22 AVN90XSPK
- AVN90XSPK2

* Selected models only

PUSH VIDEO - Real-time Event Notification

Every time PUSH VIDEO solution detects an event, our PUSH VIDEO NVR or IP camera will immediately send an event notification to your mobile device within five seconds, and meanwhile, EagleEyes, our mobile surveillance app will be activated automatically for remote video playback.



EagleEyes - Powerful Mobile Surveillance APP

The best mobile surveillance app, EagleEyes, is compatible with iPhone®, iPad® and Android™ mobile devices for remote surveillance anytime, anywhere, making everything under your control.

EagleEyes



Setup



Search your device for network setup

Configuration



Enter the setup page to change your setting

Control



Full function and intuitive touch control

Notification



Push Video initiative video notification system

Backup



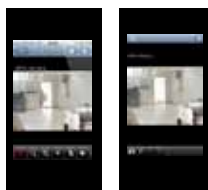
EagleEyes Plus supports backup or emails event video

Remote Total Solution

You can do live monitoring, intuitive image control, device configuration, and video backup search, as well as receive active event notifications with audio and video to guard what you care in 24 hours.

iPhone® / Android™

1 IP device
for EagleEyes



iPad®

16 IP devices
for EagleEyesHD Plus



Android™ Tablet

4 IP devices
for EagleEyes Lite+



CMS AP Software for PC

36 IP devices





* Selected IP Camera models only

EaZy Networking - The Simplest Internet Configuration

We apply Plug & Play technology to simplify complicated network configurations and eliminate port forwarding. As you fill out network info and connect a camera to the Internet, you will see the live view within 3 minutes.



* Selected NVR models only

EaZy Setup - 3-minute Auto Setup (LAN)

To help installers and users to upgrade analog signals to digital signals, we have adopted **Plug-and-Play** technology to simplify the complicated network configurations in three steps. It will automatically finish network setup, display the video, and start recording. It's easy to setup and maintain as CCTV products.



AVTECH DDNS Server

Even if you do not have a static IP address for remote monitoring, you can simply enable the default DDNS service (eagleeyes) in our IP products. It updates dynamic IP address frequently, and you can easily log into your device with the domain name. On top of this, this service is **FREE** of charge and no registration is necessary.

DDNS
xxxx.ddns.eagleeyes.tw

FREE!

EaZy Accessories -

Existing Coax Cables can all be Utilized in AVTECH IP System.

EOC (Ethernet over Coaxial) Converter



AVX912T Transmitter



AVX912R Receiver

HD Video Extender (Coming soon)



AVX916T Transmitter



AVX916R Receiver

This converter is used to easily upgrade your CCTV camera to a megapixel IP camera with existing coaxial cabling. This converter allows signals to transmit over coaxial cables **up to 400m(5C2V)@22Mbps**.

This converter is used to extend the Full HD transmission distance up to 100 meters with a RG-6 coaxial cable. Also, the control signals from the USB mouse / keyboard, and IR remote control are able to be transferred. Users may install the NVR in the machine room and set the monitor in the security center locally. They do not need to have another computer in the security center for remote NVR access.

1CH Video Server



AVX931

It's used to turn your analogue camera to IP camera. It supports RS485 Pelco-D protocol, allowing the NVR to combine with a variety of analogue cameras as a NVR hybrid system.

Full HD Solution

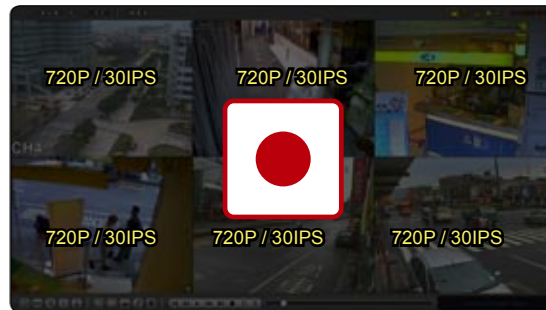


Live: Real Full HD Display

It supports 1920*1080 REAL HD display. It has 6 times higher resolution than CCTV DVR.

Record & Playback: Up to 2 Megapixel

AVTECH NVR and Megapixel IP camera solution enable you to upgrade your surveillance system easily, which brings you clearer images for video recording and playback.

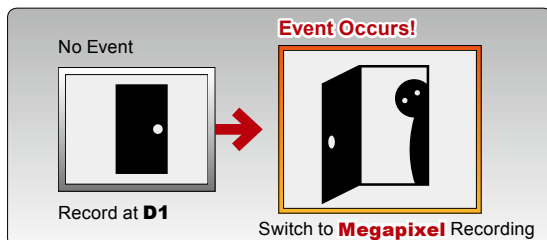


6CH HD (720P) Real-Time Recording

It's possible to record all channels in D1 or 720P with 30 IPS real-time performance. If you connect different IP cameras with different resolutions, the channel with a 2-megapixel IP camera connected is able to get real-time (30 IPS) recording and playback. **HD real-time recording** has 4 times higher resolution than traditional D1 recording and 16 times higher than CIF recording.

Smart Event Recording

Working with ETS IP cameras, AVTECH NVR can switch to high resolution recording in a second after alarm triggers, which is a more accurate way to identify events. Smart event recording helps minimize the file size effectively on the NVR site while keeping high quality evidence as well.



High Compatibility & Offsite Backup

AVTECH NVR supports mainstream IP camera in the market to enhance users' demands for our NVR. It can also serve as a NAS for offsite backup via Internet.





WDR Series - Wide Dynamic Range Series

[A] Tunnel

Vehicles entering a tunnel or parking garage with a high of luminance outside, and inside at low light levels.



[B] Office Building

Surveillance of entrance doors with daylight outside and a dark indoor environment, common scenarios in retail shops or business buildings.



[C] Car License

PlateQuick recognition of car license plates in B/W IR mode when the glare of the car light is too bright.



SOLiD LIGHT - Smart & Efficient Lighting Solution

[A] Longer IR Effective Distance

Solid Light produces long-reaching, strong lighting, hence greater picture brightness in the dark.

[B] Longer LED Lifetime

Solid Light utilizes special design to avoid overheat, lengthening the life of the LED lights.

[C] Adjustable Infrared Angle

The vari-focal lens allows wide and narrow views. With wide view, Solid Light produces suitable and uniform brightness.

[D] Advanced Smart Light Control

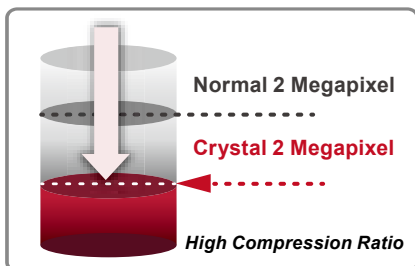
Solid Light controls the amount of light in case of overexposure from an object being too close to the lens.



Crystal Image Series - Sharper, Clearer, Brightly Colored Series

High Quality Takes High Data Rate?

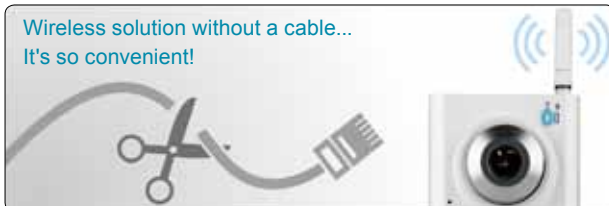
Its **high compression ratio** produces even less data rate than normal 2 megapixel IP camera. Therefore, you can store high quality video with smaller storage. It also requires lower bandwidth during transmission.



Core Technologies

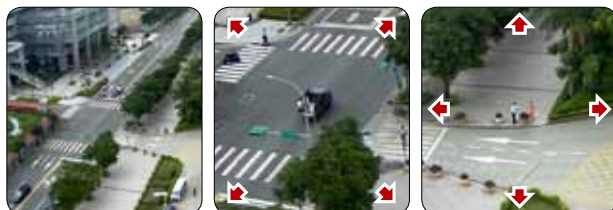
IP Camera Powerful Features

Wireless solution without a cable...
It's so convenient!



Wireless Support

The main advantage of wireless technology is that a wireless device is not limited by network cables. That means users can install the camera without much concern about the placement of cables. Superior flexibility in placement and adjustment allows IP camera to be installed virtually anywhere.



Digital PTZ

By simulating the PTZ operations, Digital PTZ allows users to move up / down / left / right after zoom-in on the monitoring view for more detail checking.



External Alarm I/O Accessories

PUSH VIDEO IP camera series & ETS IP camera series support all kinds of NO / NC type alarm sensors; for example active infrared sensor, smoke detector, magnetic contacts and so forth to extend the range of surveillance area and detecting capacity.



All-in-One IP Camera with Micro SD Card Recording

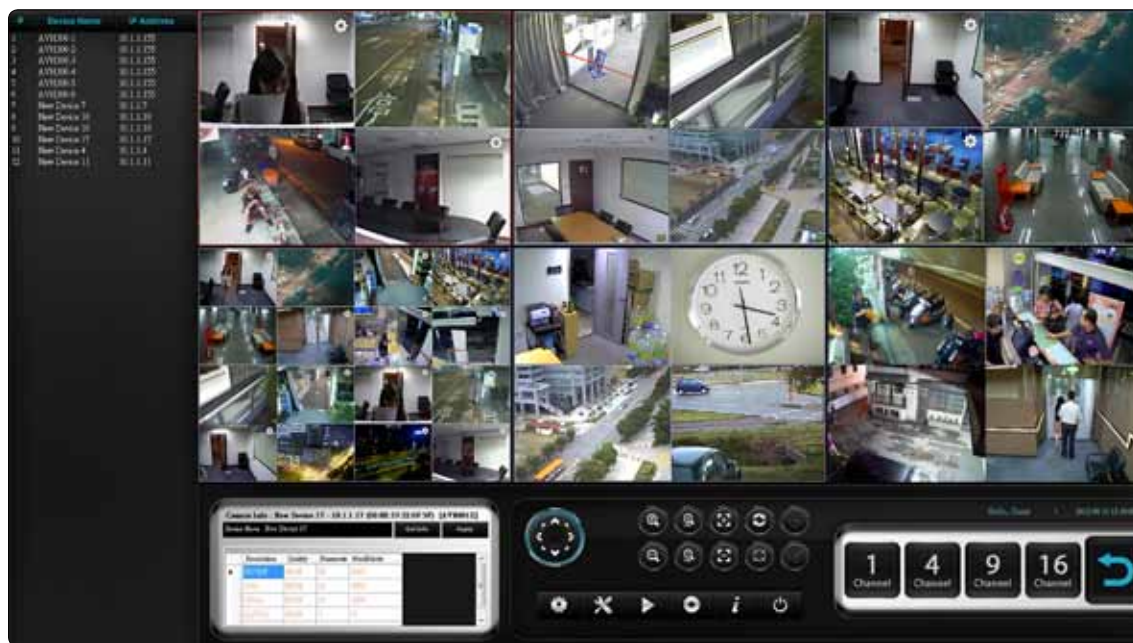
Apart from basic camera functions, All-in-One IP camera series has a Micro SD card slot for recording. Besides, it supports microphone & speaker built-in for two-way audio transmission and external alarm I/O device connection.



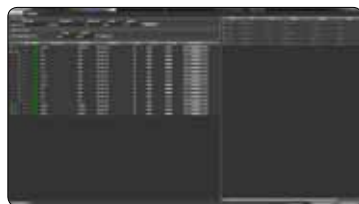
IR Shifter Design

With the mechanical IR shifter built-in, the cameras give true color in daytime by filtering invisible lights and return to accept infrared wavelength during night time to present clearer images.

Core Technologies Powerful C.M.S.



Powerful CMS Function



Easy Setup

This function is used to quickly search all IP cameras and NVRs in the same area network. You may add the device found to this software, or modify the network setting of the device found.



Quick Playback

This function is used to download and play the latest 30-second video recording for the selected channel.



Remote HD Backup

Users are able to download high quality video recording for playback even in the limited bandwidth.

AVTECH EagleEyes – No.1 Mobile Surveillance App

EagleEyes is an AVTECH exclusive surveillance mobile application and fully compatible with iOS® and Android™ mobile devices. You may receive Push Video for event occurrences, search and play event recordings, configure and control your NVR or IP cameras, and check what's happening in different places simultaneously from your mobile device. You don't have to have a PC or laptop for remote surveillance anymore. Portable and light mobile phones or tablets could be a better choice.



Compatible with iOS® and Android™ Mobile Devices

PUSH VIDEO



iPad Multi-view



Intuitive Control



Full Function Control

Live Monitoring



Video & 2-way Audio

Specifications

Comparison of Features / Versions	iPhone Plus	iPhone Lite	Android Plus	Android Lite / Lite+	iPad HD Plus	iPad HD Lite
Address Book	200	4	200	4	200	4
Push Video (w/IVS Solution)	Y	Y	Y	Lite+ Only	Y	Y
Remote Video Backup	Y	N	Y	N	Y	N
List Search and Playback	Y	Y	Y	Y	Y	Y
Time Search and Playback	Y	N	Y	N	Y	N
People Counting Statistics	Y	Y	Y	Y	Y	Y
Real-Time Video & Audio Streaming	Y	Y	Y	Y	Y	Y
Video Quality Control	Y	Y	Y	Y	Y	Y
PTZ Hot Point Control	Y	Y	Y	Y	Y	Y
PTZ Auto Tracking Control	Y	Y	Y	Y	Y	Y
PTZ Preset Point Setting	Y	Y	Y	Y	Y	Y
Smart Zoom Control	Y	Y	Y	Y	Y	Y
IR On / Off Control	Y	Y	Y	Y	Y	Y
Support NVR	Y	Y	Y	Y	Y	Y

(Specifications are subject to change without notice.)



AVTECH Video Viewer – Free 16CH Record and Monitoring Software

Video Viewer is a free supplied surveillance program installed on your PC or laptop (Windows OS). It enables its users to access up to 16 NVRs or IP Cameras remotely to check and record what's happening at different locations simultaneously.



Specifications

Operating System	Microsoft® Windows® 7, Vista and XP	Mac® OS 10.6 x , 10.7x, 10.8 at present
CPU	Intel® Pentium® 4 3GHz or compatible above	Intel Processor
RAM	512MB (recommended minimum), 1GB above better	1GB
Central Monitoring		
Display Mode	1CH / 4CH / 6CH / 9CH / 16CH Selectable	
Display Mode Setting	Adjustable Sequence & Channel Display Position	
Max. Channel No.	16	
Remote DVR/PTZ Camera Control	YES	
Real-Time Audio Monitoring	YES	
Security Level	Guest / Normal / Power User / Supervisor	
Password Inquiry	YES	
Event Management		
Motion / Alarm Notification	YES	NO
Event Log List	YES	NO
Recording & Playback		
Record Mode	Manual / Schedule / Motion / Alarm / R.E.T.R.	NO
Recording Setting	Independent Setting Per Channel (IP Address)	NO
Online / Offline Playback	YES	
Others		
Channel Naming	YES	
Remote Backup	YES	NO
E-Map	Single E-Map and Building E-Map (in BMP or JPEG format) / Google E-Map	NO

(Specifications are subject to change without notice.)

Push Video IP Camera Series

Model		QR Code	Resolution	Lens
AVN815EZ			1.3MP 1280x1024	f3.8mm / F1.5
AVN803EZ			1.3MP 1280x1024	f3.8mm / F1.5
AVN701EZ			D1 720x480	f3.6mm / F2.0
AVN80X			1.3MP 1280x1024	f3.8mm / F1.5
AVN813			1.3MP 1280x1024	f3.8mm / F1.5
AVN808			1.3MP 1280x1024	f3.8mm / F1.5

Viewing Angle	EaZy Networking	Wireless	ONVIF	PoE	WDR	Micro SD Card Support
62.7° (Diagonal) 53.7° (Horizontal) 34.1° (Vertical)	YES	YES	-	-	-	YES
62.7° (Diagonal) 53.7° (Horizontal) 34.1° (Vertical)	YES	-	-	-	-	YES
90° (Diagonal) 69° (Horizontal) 53° (Vertical)	YES	-	-	-	-	-
80.4° (Diagonal) 65.4° (Horizontal) 49.9° (Vertical)	-	-	-	-	-	YES
62.7° (Diagonal) 53.7° (Horizontal) 34.1° (Vertical)	-	YES	-	-	-	YES
62.7° (Diagonal) 53.7° (Horizontal) 34.1° (Vertical)	-	-	-	-	-	-

Push Video IP Camera Series

Model		QR Code	Resolution	Lens
AVN807A			1.3MP 1280x1024	f3.8mm / F1.5
AVN806			1.3MP 1280x1024	f3.8mm / F1.5
AVN805			1.3MP 1280x1024	f3.8mm / F1.5
AVN801			1.3MP 1280x1024	f3.8mm / F1.5
AVM837 *			2MP 1920x1080	f2.8 ~ 12.8mm F1.4 ~ F2.8
AVM829 *			2MP 1920x1080	f3.8mm / F1.5

* Coming soon



Viewing Angle	EaZy Networking	Wireless	ONVIF	PoE	WDR	Micro SD Card Support
80.4° (Diagonal) 65.4° (Horizontal) 49.9° (Vertical)	-	-	-	-	-	-
62.7° (Diagonal) 53.7° (Horizontal) 34.1° (Vertical)	-	-	-	-	-	-
80.4° (Diagonal) 65.4° (Horizontal) 49.9° (Vertical)	-	-	-	-	-	-
62.7° (Diagonal) 53.7° (Horizontal) 34.1° (Vertical)	-	-	-	-	-	-
Wide: 111.7° (Diagonal) 97.4° (Horizontal) 58.1° (Vertical) Tele: 31.1° (Diagonal) 27.1° (Horizontal) 15.2° (Vertical)	-	-	YES	IEEE 802.3af	YES	YES
83.2° (Diagonal) 42.8° (Horizontal) 73.2° (Vertical)	-	-	YES	IEEE 802.3af	YES	YES

Model	QR Code	Resolution
AVH416A 		1920 x 1080
AVH312PV AVH312 		1920 x 1080
AVH306 		1920 x 1080
AVH304 		1920 x 1080
AVH0801 AVH0401 		1920 x 1080

Recording Throughput	Audio Output	Hard Disk Storage	eSATA Interface	Push Video
Up to 480 IPS @ 1920 x 1080, Up to 120Mbps	Line Out / HDMI	Up to three 3TB HDDs	YES	YES
Up to 360 IPS @ 720 x 480, 32 Mbps Up to 120 IPS @ 1280 x 720, 32 Mbps * Recording @ 1280 x 1024 or higher is only allowed for CH1	Line Out / HDMI	Up to two 3TB HDDs	YES	YES (AVH312)
Up to 180 IPS @ 720 x 480, 32 Mbps	Line Out / HDMI	Up to two 3TB HDDs	-	-
Up to 120 IPS @ 1280 x 1024, 32 Mbps	HDMI	One 3TB hard disk	YES	YES
8CH:Up to 240 IPS @ 1280 x 720 , 32 Mbps 4CH:Up to 120 IPS @ 1280 x 1024, 32 Mbps	HDMI	One 3TB hard disk	YES	-



Model		QR Code	Resolution	Lens
AVM571			2MP 1920x1080	f6.0 ~ 60mm / F2.0 ~ 2.8
AVM565A			2MP 1920x1080	f6.0 ~ 60mm / F2.0 ~ 2.8
AVM561			2MP 1920x1080	
AVM557A			2MP 1920x1080	f2.8~12mm / F1.4
AVM552A			2MP 1920x1080	
AVM542A			2MP 1920x1080	f2.8~12mm / F1.4
AVM526A			2MP 1920x1080	f3.8mm / F1.5
AVM521A			2MP 1920x1080	



Viewing Angle	WDR	Crystal Image	ONVIF	PoE	IR Effective Distance	IP Rating	Vandal-Proof	Micro SD Card Support
1X: 53.5° (Diagonal) 47.3° (Horizontal) / 27.5° (Vertical) 10X: 6.1° (Diagonal) 5.3° (Horizontal) / 3.0° (Vertical)	YES	-	YES	YES	-	IP66	-	-
	-	YES	YES	YES	Up to 40 meters	IP67	-	-
	YES	-	YES	YES		IP67	-	-
Wide: 111.7° (Diagonal) 97.4° (Horizontal) / 58.1° (Vertical) Tele: 31.1° (Diagonal) 27.1° (Horizontal) / 15.2° (Vertical)	-	YES	YES	YES	Up to 25 meters	IP66	-	YES
	YES	-	YES	YES		IP66	-	YES
	YES	-	YES	YES	Up to 30 meters	IP66	YES	YES
83.2° (Diagonal) 73.2° (Horizontal) 42.8° (Vertical)	-	YES	YES	YES	Up to 15 meters	-	-	YES
	YES	-	YES	YES		-	-	YES

Model		QR Code	Resolution	Lens
AVM532			2MP 1920x1080	f2.8 ~ 12mm / F1.4 ~ F2.8
AVM500			2MP 1920x1080	—
AVM459A			2MP 1920x1080	f2.8~12mm / F1.4
AVM457A			2MP 1920x1080	f3.8mm / F1.5
AVM428B			2MP 1920x1080	f3.8mm / F1.5
AVM417A			2MP 1920x1080	f3.8mm / F1.5
AVM400B			2MP 1920x1080	—

Viewing Angle	WDR	Crystal Image	ONVIF	PoE	IR Effective Distance	IP Rating	Vandal-Proof	Micro SD Card Support
Wide: 112° (Diagonal) 91° (Horizontal) / 72° (Vertical) Tele: 29° (Diagonal) 27° (Horizontal) / 16° (Vertical)	YES	—	YES	YES	Up to 30 meters	—	YES	YES
—	YES	—	YES	YES	—	—	—	YES
Wide: 116° (Diagonal) 109° (Horizontal) / 76° (Vertical) Tele: 27° (Diagonal) 24° (Horizontal) / 13.5° (Vertical)	—	—	YES	YES	Up to 25 meters	IP66	—	YES
73.2°(Horizontal) / 47.4°(Vertical) / 85.4°(Diagonal)	—	—	YES	YES	Up to 20 meters	IP67	—	—
—	—	—	YES	YES	Up to 10 meters	—	—	—
—	—	—	YES	YES		—	—	—
—	—	—	YES	YES	—	—	—	YES



Model		QR Code	Resolution	Lens
AVM359A			1.3MP 1280x1024	f2.8~12mm / F1.4
AVM357A			1.3MP 1280x1024	f3.8mm / F1.5
AVM328B			1.3MP 1280x1024	f3.8mm / F1.5
AVM302A			1.3MP 1280x1024	f3.8mm / F1.5
AVM311			1.3MP 1280x1024	f3.8mm / F1.5

System Integration Solution

Model		
AVN90XSPK		AVN90X Push Video IP camera + AVX951A I/O Controller Push Video system integration with alarm and access control system

Viewing Angle	WDR	Crystal Image	ONVIF	PoE	IR Effective Distance	IP Rating	Vandal-Proof	Micro SD Card Support
Wide: 90° (Diagonal) / 66° (Horizontal) / 52° (Vertical) Tele: 22° (Diagonal) / 16° (Horizontal) / 10° (Vertical)	–	–	YES	YES	Up to 25 meters	IP66	–	YES
62.7° (Diagonal) 53.7° (Horizontal) 34.1° (Vertical)	–	–	YES	YES	Up to 20 meters	IP67	–	–
	–	–	YES	YES	Up to 10 meters	–	–	–
	–	–	YES	YES	–	–	–	YES
	–	–	YES	YES	–	–	IK08	YES

Model		
AVN90XSPK		Demo kit Including AVN90X Push Video IP Camera + AVX951A I/O Controller + AVX960 Access Card Reader